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RELATED INFORMATION

- ▶ FAQs for Restriction Endonucleases
- ▶ FAQs for XbaI
- ▶ Restriction Endonucleases Technical Reference

FAVORITE TOOLS

- ▶ Enzyme Finder
- ▶ NEBcutter
- ▶ NEBuffer Chart
- ▶ Double Digest Finder
- ▶ Isoschizomers
- ▶ DNA Sequences and Maps
- ▶ REBASE

RELATED PRODUCTS

Reagents Sold Separately

- ▶ NEBuffer 2
- ▶ BSA

Competent Cells
Introductory Offer

XbaI



Nomenclature Update

Catalog #	Size	Concentration	Price	Qty	
R0145S	3,000 units	20,000 units/ml	\$63.00	<input type="text" value="1"/>	<input type="button" value="ADD"/>
R0145L	15,000 units	20,000 units/ml	\$252.00	<input type="text" value="1"/>	<input type="button" value="ADD"/>
R0145T	3,000 units	100,000 units/ml	\$63.00	<input type="text" value="1"/>	<input type="button" value="ADD"/>
R0145M	15,000 units	100,000 units/ml	\$252.00	<input type="text" value="1"/>	<input type="button" value="ADD"/>

Prices are in US dollars and valid only for US orders.

Download: MSDS PDF

Recognition Site:

5'...T[↓]CTAGA...3'
3'...AGATC[↓]A...5'

isoschizomers | compatible ends | single letter code

Source:

A *E. coli* strain that carries the XbaI gene from *Xanthomonas badrii* (ATCC 11672).

Reagents Supplied:

NEBuffer 2
BSA

Enzyme Properties

Activity in NEBuffers:

NEBuffer 1: 0%
NEBuffer 2: 100%
NEBuffer 3: 75%
NEBuffer 4: 75%

When using a buffer other than the optimal (supplied) NEBuffer, it may be necessary to add more enzyme to achieve complete digestion.

Methylation Sensitivity:

dam methylation: Blocked by overlapping
dcm methylation: Not sensitive
CpG methylation: Not sensitive

Heat Inactivation:

65°C for 20 minutes

Survival in a Reaction:

Minimum units to digest 1 µg of substrate DNA in 16 hours: 0.13 unit(s)